

ATTACHMENT #2 GENERAL SCOPE OF WORK (SOW)

The Project includes three (3) working areas: New Shops Building; GSE shed, and Refurbishment of existing NDI shop

BASIC PROPOSAL

NEW SHOPS BUILDING

The project consists of constructing a new building containing three shops: Machine Shop, Structural Repair Shop and Hydraulic Shop. Hangar 2 CNP Base substation shall be renovated within the scope of this project.

The Contractor shall relocate underground electrical and communications networks, water lines and compressed air pipes according to the findings in the field work performed during design phase. If it is necessary to develop additional works in regard to relocation of underground utility lines, Contractor shall cover all expenses. Contractor shall ensure the operation of the utilities to other buildings that are connected to the same networks. So, the Contractor shall construct first new manholes, pull boxes, pipe lines, networks, etc. and then Contractor will interconnect them in order to cause the least time consuming failures to other facilities.

The Contractor shall supply and install a new chain-link fence, which is located on the west side of the new building lot, once the new building construction is completed.

The works include, but are not limited to, piling, building of concrete slabs and sidewalks, erection of steel structure, masonry construction in smooth concrete block, epoxy coat floors, ceilings, toilets with showers, doors and acoustic windows, lucerne (dormer), roof and waterproofing of roof slab. In regard to metal sliding doors the Contractor shall define the mechanism, the operating characteristics and components to ensure proper operation and safety inside each space.

Additionally, Contractor shall provide waterline, sewage system, hydropneumatic equipment and pump stations, power and communications network, lightning protection and grounding system, compressed air network including air compressor and ventilation system.

The Contractor shall provide and install a 5-ton bridge crane capable of accessing the entire machine shop area.

The UPS and 800-kVA power generator are also included. The following items: desks, chairs, office partitions, eye wash stations, work benches and benches are not part of the scope of this project.

OPTION No.1

GSE COVER

Option No.1 consists of the construction of a Ground Support Equipment (GSE) shed on the existing concrete paver apron. The technical information related to the GSE cover is included within the New Shop technical package.

OPTION No.2

REFURBISHMENT OF NDI SHOP INCLUDING A NEW SIMULATOR ROOM AND CLASSROOM INSTRUCTION ON THE SECOND FLOOR

The scope of the project is to refurbish the current area in use by the hydraulic and NDI shops, expanding NDI shop area and constructing a second story to be used as a simulator room and instruction room.

So, the Contractor shall relocate the NDI shop equipment to a place defined by the Contracting Officer, within the premises of the Hangar 2 National Police base. Then Contractor shall proceed to demolish and remove at its own cost all elements such as walls, ducts, ceiling and existing structure, lamps, windows, exhaust fans, etc. Those elements deemed reusable by National Police may be delivered to them through an official letter prior Contracting Officer's approval.

The Contractor shall connect the refurbished facility to existing utilities and shall perform canalization works and relocation of electrical ducts, LPG pipe and cylinders, waste water lines at the north side of the hangar. The Contractor shall repair areas after construction.

The Contractor must be careful during demolition work since equipment located inside the Depot shop is very sensitive to vibrations that could affect them. The Contractor shall be responsible for the recalibration of these in case of damage. Additionally, once the work is completed the Contractor will re-install and certify the NDI shop equipment in order to show that they are in perfect operating condition.

The works include, but are not limited to, piling, erection of new steel structure, construction of steel-deck slab, flooring, ceramic tile installation, painting, water supply, sewage network, new electrical connections and relocation of the panelboard and feeder of magnetic particle stationary inspection equipment, smoke detectors, structured cabling system, compressed air network. Additionally, Contractor shall build new walls and partitions on second floor in drywall and cement board and install ceiling. Contractor shall relocate exhaust fans, supply vent ducts and provide new doors. Contractor shall provide and install Blackout roller shades on the windows of simulator room and instruction room. A new air conditioning system, UPS, and equipment for second floor area shall be provided by Contractor. The following items: desks, chairs, office partitions and benches are not part of the scope of this project.

The Contractor shall create access to the second floor by means of a metal stair that connects to the office area of Hangar 2. The Contractor must ensure soundproofing after construction of the refurbished facility.

